



Missouri
Department of
Natural Resources

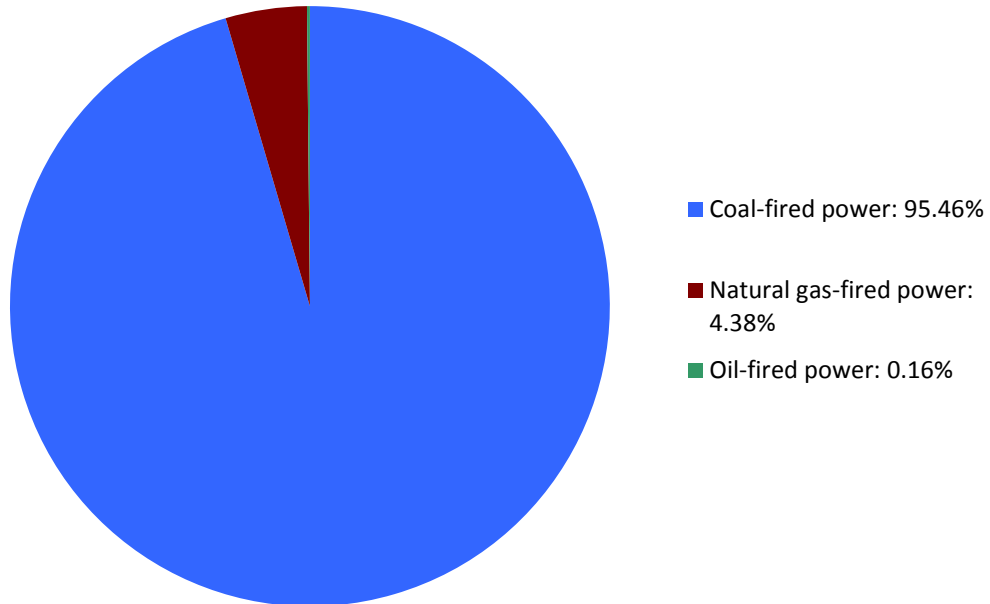
Power Plant: Marshall
Plant Owner: City of Marshall
Power generated in 2009 from non-renewable and renewable sources

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power	555,305	95.66%		41,704	95.46%	
Natural gas-fired power	24,470	4.22%		1,914	4.38%	
Oil-fired power	696	0.12%		68	0.16%	
Nuclear power						
Other non-renewable power						
Non-renewable total	580,471	100.00%	100.00%	43,686	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	580,471		100.00%	43,686		100.00%

Fuel Type	Physical Units	Number of Units
Bituminous Coal	Short Tons	24,894
Natural Gas	Mcf	24,316
Distillate Fuel Oil	Barrels	120



Net Generation by Fuel Type, 2009 for Marshall





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Emissions from Electricity Generated in 2009

Plant	Carbon Dioxide(CO2) (Tons)	Carbon Monoxide(CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
Marshall	3,991.91	10.35	0.06	295.43	1,400.38

Plant	Volatile Organic Compounds (VOC) (Tons)	Coarse Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
Marshall	1.45	77.96	77.96	NV

'NV' = Emissions value not available.



Pollution controls installed on Marshall

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Marshall	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Marshall	No NOX Controls Installed			

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/cneaf/electricity/page/eia906_920.html